SUMMARY OF WATER CONDITIONS
May 1, 2009

The weather pattern reverted to dry conditions in April. Precipitation was much below average although quite a bit more than the very dry April of one year ago. As a result runoff forecasts were lowered some 5 to 10 percent and the year continues to be classified as dry.

Forecasts of April through July runoff are slightly over 70 percent of average statewide with the best percentages on the west slope of the northern and central Sierra. Water year forecasts are about 5 percent less, slightly under 70 percent.

Snowpack water content is about 60 percent of average for the date and about 45 percent of the average for April 1, the date of normal maximum accumulation. This is a decrease of nearly half the April 1 pack. Last year the snowpack on May 1 was 65 percent of average for the date.

Precipitation from October through April was about 80 percent of average compared to 85 percent last year. The major Central Valley regions are showing 80 to 85 percent of average. April precipitation was only about 35 percent of average. Precipitation was quite light for the month in the south and but did approach half average in some parts of the Sierra.

Runoff has been about 60 percent of average statewide so far this season, which is the same as last year. April runoff was about 65 percent of average. Estimated runoff of the eight major rivers of the Sacramento and San Joaquin River regions during April was 2.4 million acre-feet.

Reservoir storage on May 1 was a bit over 80 percent of average, almost the same as last year at this time. About 60 percent of total capacity is being used.

SUMMARY OF WATER CONDITIONS
IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	May 1 SNOW WATER CONTENT	May 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APR-JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	70	50	65	45	70	60
SAN FRANCISCO BAY	90	--	90	35	--	--
CENTRAL COAST	75	--	75	35	--	--
SOUTH COAST	65	--	85	40	--	--
SACRAMENTO RIVER	80	55	85	65	80	75
SAN JOAQUIN RIVER	85	70	85	80	80	75
TULARE LAKE	80	60	85	70	70	70
NORTH LAHONTAN	70	55	40	70	70	65
SOUTH LAHONTAN	90	40	100	75	75	75
COLORADO RIVER-DESERT	80	--	--	--	--	--
STATEWIDE	80	60	80	60	70	70

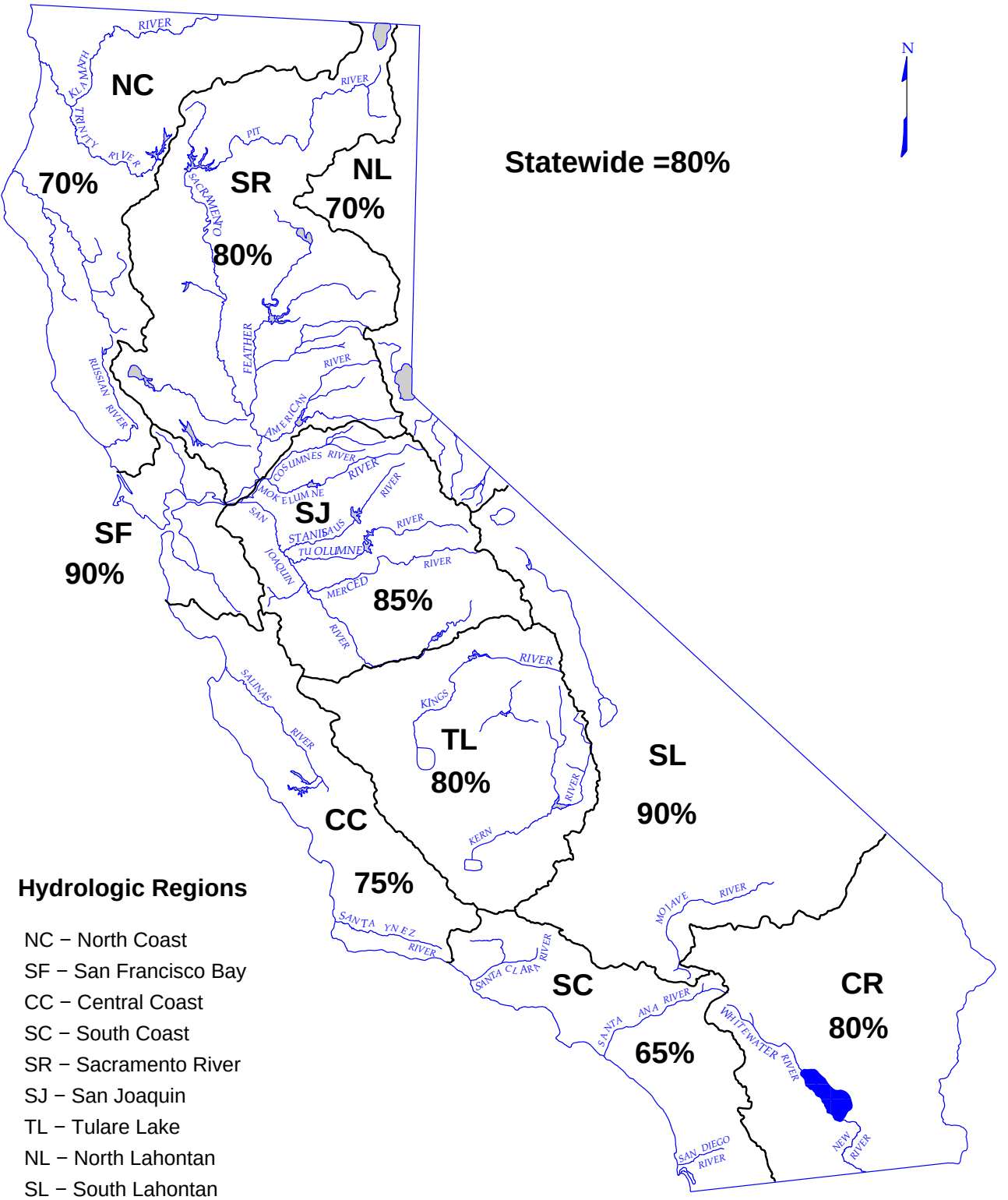
DEPARTMENT OF WATER RESOURCES

CALIFORNIA COOPERATIVE SNOW SURVEYS

SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE

October 1, 2008 through April 30, 2009



Hydrologic Regions

NC − North Coast
SF − San Francisco Bay
CC − Central Coast
SC − South Coast
SR − Sacramento River
SJ − San Joaquin
TL − Tulare Lake
NL − North Lahontan
SL − South Lahontan
CR − Colorado River−Desert

WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

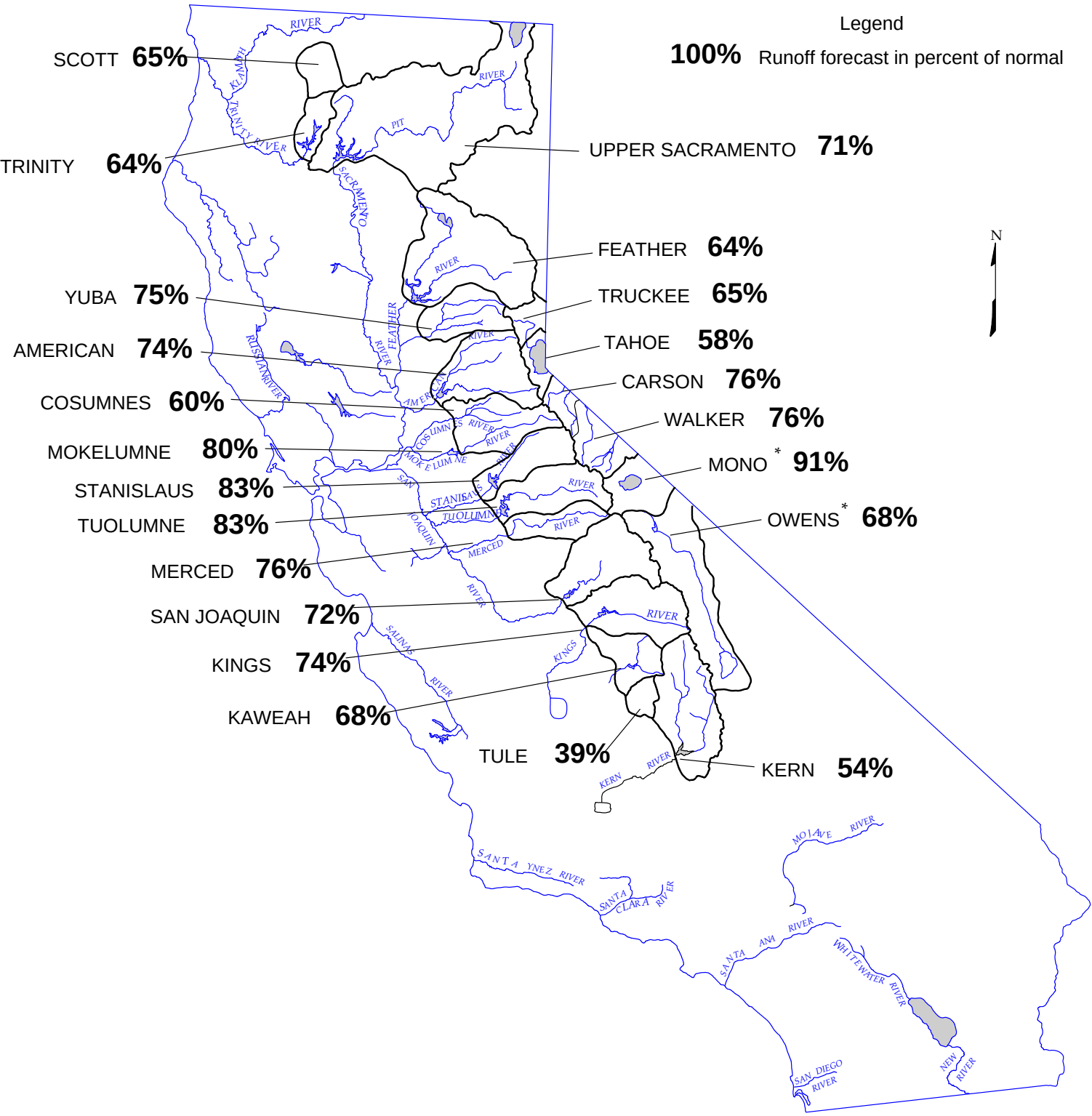
DEPARTMENT OF WATER RESOURCES

CALIFORNIA COOPERATIVE SNOW SURVEYS

FORECAST OF APRIL – JULY

UNIMPAIRED SNOWMELT RUNOFF

May 1, 2009



* FORECAST BY DEPARTMENT OF WATER AND POWER, CITY OF LOS ANGELES

MAY 1, 2009 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg	80 % Probability Range (1)
North Coast						
Trinity River at Lewiston Lake (10)	654	1,593	80	420	64%	360 - 580
SACRAMENTO RIVER						
Upper Sacramento River						
Sacramento River at Delta above Shasta Lake	298	711	39	200	67%	
McCloud River above Shasta Lake	392	850	185	310	79%	
Pit River near Montgomery Creek + Squaw Creek	1,066	2,098	480	760	71%	
Total Inflow to Shasta Lake	1,819	3,525	726	**1,300**	71%	1,130 - 1,700
Sacramento River above Bend Bridge, near Red Bluff	2,494	5,075	943	**1,750**	70%	1,470 - 2,240
Feather River						
Feather River at Lake Almanor near Prattville (3)	333	675	120	230	69%	
North Fork at Pulga (3)	1,028	2,416	243	640	62%	
Middle Fork near Clio (4)	86	518	4	50	58%	
South Fork at Ponderosa Dam (3)	110	267	13	60	55%	
Feather River at Oroville	1,782	4,676	392	**1,140**	64%	870 - 1,540
Yuba River						
North Yuba below Goodyears Bar	279	647	51	210	75%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	80	71%	
South Yuba at Langs Crossing (3)	233	481	57	160	69%	
Yuba River near Smartsville plus Deer Creek	1,006	2,424	200	**750**	75%	610 - 900
American River						
North Fork at North Fork Dam (3)	262	716	43	180	69%	
Middle Fork near Auburn (3)	522	1,406	100	380	73%	
Silver Creek Below Camino Diversion Dam (3)	173	386	37	120	69%	
American River below Folsom Lake	1,240	3,074	229	**920**	74%	750 - 1,120
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	126	363	8	**76**	60%	45 - 105
Mokelumne River						
North Fork near West Point (5)	437	829	104	330	76%	
Total Inflow to Pardee Reservoir	461	1,065	102	**370**	80%	340 - 420
Stanislaus River						
Middle Fork below Beardsley Dam (3)	334	702	64	270	81%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	180	80%	
Stanislaus River below Goodwin Reservoir (7)	702	1,710	116	**580**	83%	490 - 680
Tuolumne River						
Cherry Creek & Eleanor Creek near Hetch Hetchy	315	727	97	260	83%	
Tuolumme River near Hetch Hetchy	604	1,392	153	510	84%	
Tuolumne River below La Grange Reservoir (A)	1,220	2,682	301	**1,010**	83%	910 - 1,180
Merced River						
Merced River at Pohono Bridge	372	888	80	290	78%	
Merced River below Merced Falls (9)	632	1,587	123	**480**	76%	420 - 590
San Joaquin River						
San Joaquin River at Mammoth Pool (7)	1,026	2,279	235	760	74%	
Big Creek below Huntington Lake (8)	91	264	11	60	66%	
South Fork near Florence Lake (7)	201	511	58	160	80%	
San Joaquin River inflow to Millerton Lake	1,254	3,355	262	**900**	72%	750 - 1,070
TULARE LAKE						
Kings River						
North Fork Kings River near Cliff Camp (3)	239	565	50	180	75%	
Kings River below Pine Flat Reservoir	1,224	3,113	274	**910**	74%	810 - 1,030
Kaweah River below Terminus Reservoir	286	814	62	**195**	68%	170 - 250
Tule River below Lake Success	64	259	2	**25**	39%	19 - 45
Kern River						
Kern River near Kernville	384	1,203	83	220	57%	
Kern River inflow to Lake Isabella	461	1,657	84	**250**	54%	210 - 320

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1956-2005 unless otherwise noted
(3) 50 year average based on years 1941-90
(4) 44 year average based on years 1936-79
(5) 36 year average based on years 1936-72
(6) 45 year average based on years 1936-81
(7) 50 year average based on years 1953-2002
(8) 50 year average based on years 1946-1995

MAY 1, 2009 FORECASTS
WATER YEAR UNIMPAIRED RUNOFF

Unimpaired Runoff in 1,000 Acre-Feet (1)

HISTORICAL			DISTRIBUTION									FORECAST		
50 Yr Avg (2)	Max of Record	Min of Record	Oct Thru Jan*	Feb *	Mar *	Apr *	May	Jun	Jul	Aug	Sep	Water Year Forecasts	Pct of Avg	80 % Probability Range (1)
1398	2990	200	113	77	185	138	182	80	20	7	5	**807**	58%	386 - 1328
887	1,965	165												
1,217	2,353	557												
3,159	5,150	1,484												
6,107	10,796	2,479	915	665	1,040	470	385	255	190	180	180	**4,280**	70%	4,050 - 4,810
8,907	17,180	3,294	1,215	1,035	1,385	595	530	355	270	240	235	**5,860**	66%	5,500 - 6,485
780	1,269	366												
2,417	4,400	666												
219	637	24												
291	562	32												
4,620	9,492	994	475	475	775	410	405	215	110	80	70	**3,015**	65%	2,705 - 3,470
564	1,056	102												
181	292	30												
379	565	98												
2,373	4,926	369	205	230	380	255	310	150	35	15	10	**1,590**	67%	1,435 - 1,750
616	1,234	66												
1,070	2,575	144												
318	705	59												
2,719	6,382	349	185	240	455	325	385	170	40	10	10	**1,820**	67%	1,635 - 2,030
390	1,253	20	18	34	77	33	33	8	2	1	0	**206**	53%	170 - 240
626	1,009	197												
755	1,800	129	45	40	100	105	175	80	10	2	1	**558**	74%	520 - 610
471	929	88												
1,171	2,952	155	95	75	170	190	220	135	35	10	5	**935**	80%	840 - 1,045
461	1,147	123												
770	1,661	258												
1,951	4,631	383	200	115	230	260	380	300	70	15	10	**1,580**	81%	1,470 - 1,760
461	1,020	92												
1,007	2,787	150	85	60	105	150	180	115	35	10	5	**745**	74%	680 - 860
1,337	2,964	308												
112	298	14												
248	653	71												
1,836	4,642	362	155	80	140	230	310	265	95	30	15	**1,320**	72%	1,160 - 1,500
284	607	58												
1,721	4,287	386	130	65	110	215	360	255	80	30	15	**1,260**	73%	1,150 - 1,390
454	1,402	94	39	23	33	54	80	49	12	4	2	**296**	65%	260 - 360
148	615	16	10	9	11	11	9	4	1	0	0	**55**	37%	45 - 75
558	1,577	163												
730	2,318	175	70	25	40	65	90	70	25	15	10	**410**	56%	360 - 490

* Unimpaired runoff in prior months based on measured flows

(9) Forecast point names based on USGS gage names. Stanislaus below Goodwin also known as inflow to New Melones, Tuolumne River below La Grange also known as inflow to Don Pedro, Merced River below Merced Falls also known as inflow to McClure.

(10) Cordinated Forecast by National Weather Service California-Nevada River Forecast Center and Department of Water Resources, State of California

MAY 1, 2009 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

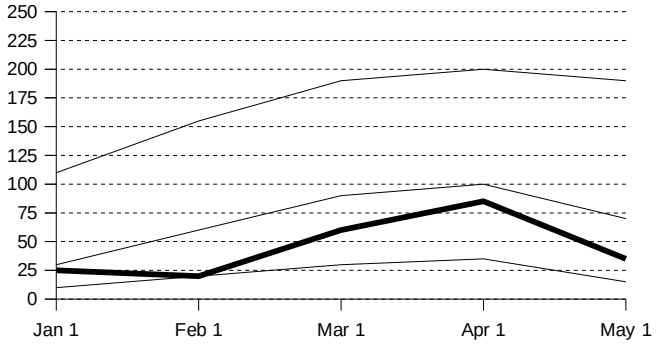
HYDROLOGIC REGION and Watershed	Apr-Jul Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg
NORTH COAST					
Scott River					
Scott River nr Ft Jones (3) (as of May 5)	200	400	30	**130**	65%
Klamath River					
Total inflow to Upper Klamath Lake (4)	340	618	84	**270**	79%
NORTH LAHONTAN					
Truckee River					
Lake Tahoe to Farad accretions	261	713	52	**170**	65%
Lake Tahoe Rise (assuming gates closed, ft)	1.4	5.4	0.2	**0.8**	58%
Carson River					
West Fork Carson River at Woodfords	54	135	12	**39**	72%
East Fork Carson River near Gardnerville	187	407	43	**145**	78%
Walker River					
West Walker River below Little Walker, near Coleville	154	330	35	**125**	81%
East Walker River near Bridgeport	64	209	7	**41**	64%
SOUTH LAHONTAN					
Owens River					
Total tributary flow to Owens River (5)	235	579	96	**161**	68%

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1956-2005 unless otherwise noted
(3) Forecast by National Weather Service California-Nevada River Forecast Center.
(4) Forecast by U.S. Natural Resources Conservation Service and National Weather Service California-Nevada River Forecast Center, May through September forecast, 30 year average based on years 1971-2000.
(5) Forecast by Department of Water and Power, City of Los Angeles, average based on years 1951-2000.

NORTH COAST REGION

Snowpack Accumulation

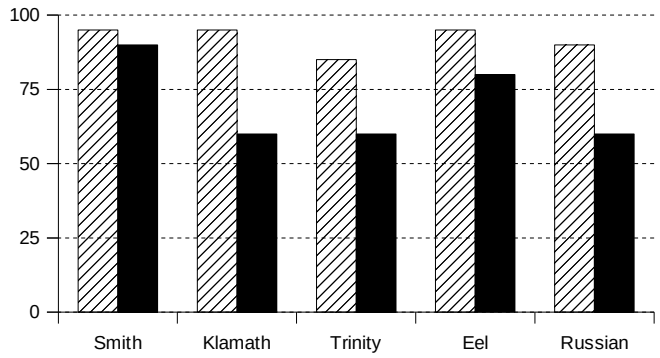
Water Content in % of April 1 Average



SNOWPACK- First of the month measurements made at 9 snow courses indicate an area wide snow water equivalent of 12.7 inches. This is 35 percent of the seasonal April 1 average and 50 percent of the May 1 average. Last year at this time the pack was holding 27.8 inches of water.

Precipitation

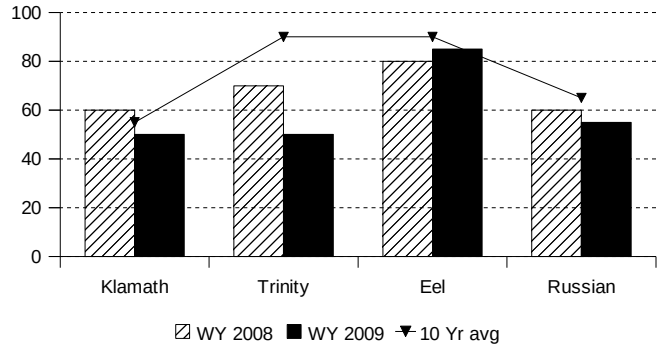
October 1 to date in % of Average



PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 70 percent of normal. Precipitation last month was about 35 percent of the monthly average. Seasonal precipitation at this time last year stood at 90 percent of normal.

Reservoir Storage

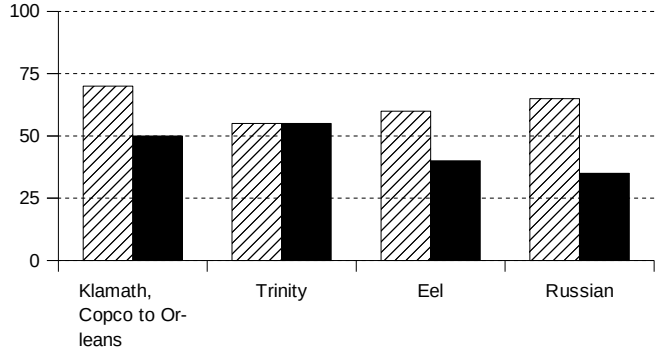
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE- First of the month storage in 6 reservoirs was 1.6 million acre-feet which is 65 percent of average. About 55 percent of available capacity was being used. Storage in these reservoirs at this time last year was 85 percent of average.

Runoff

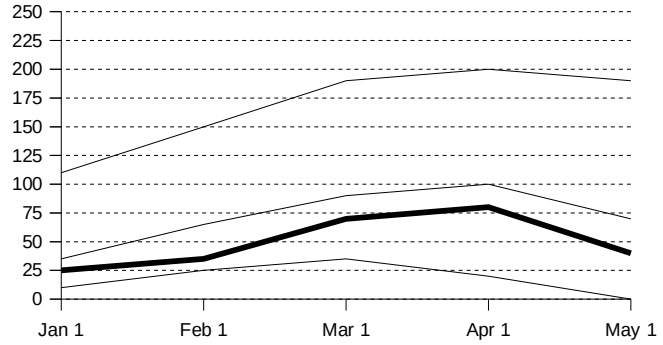
October 1 to date in % of average



RUNOFF -Seasonal runoff of streams draining the area totaled 5.2 million acre-feet which is 45 percent of the average for this period. Last year, runoff for the same period was 65 percent of average.

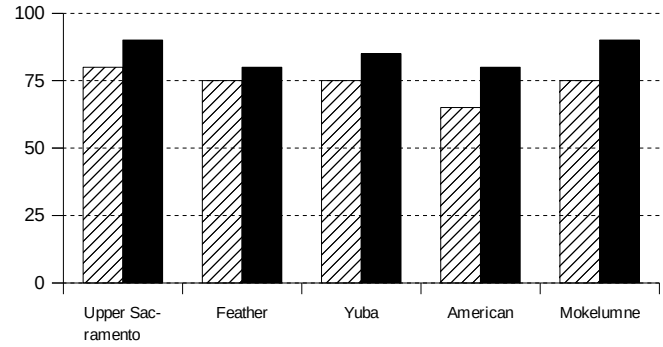
Snowpack Accumulation

Water Content in % of April 1 Average



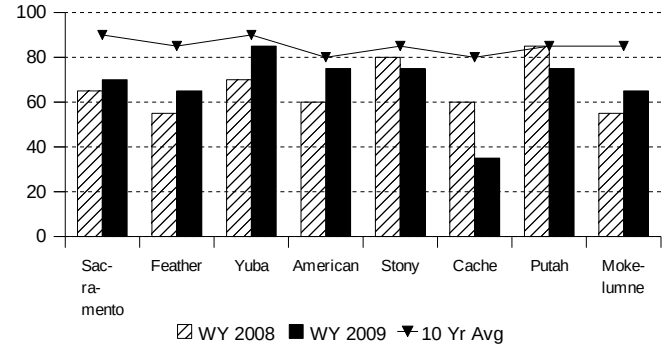
Precipitation

October 1 to date in % of Average



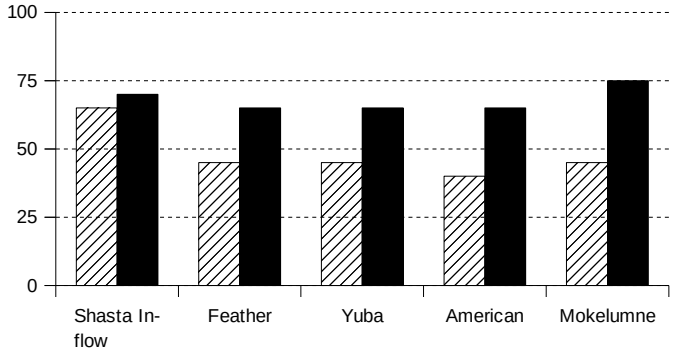
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SACRAMENTO RIVER REGION

SNOWPACK- First of the month measurements made at 66 snow courses indicate an area wide snow water equivalent of 15.5 inches. This is 40 percent of the seasonal April 1 average and 55 percent of the May 1 average. Last year at this time the pack was holding 16.5 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 80 percent of normal. Precipitation last month was about 45 percent of the monthly average. Seasonal precipitation at this time last year stood at 75 percent of normal.

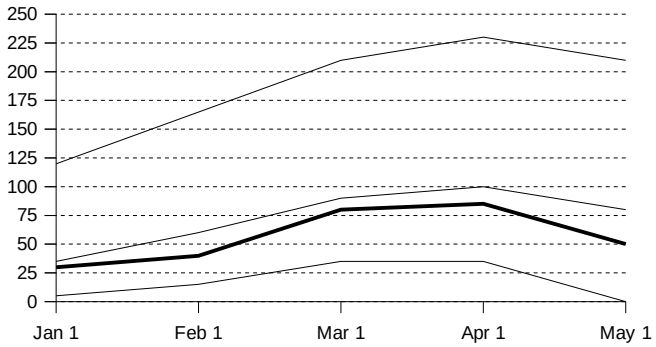
RESERVOIR STORAGE- First of the month storage in 43 reservoirs was 11 million acre-feet which is 85 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 80 percent of average.

RUNOFF - Seasonal runoff of streams draining the area totaled 8.6 million acre-feet which is 65 percent of average for this period. Last year, runoff for the same period was 55 percent of average.

The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 5.5 assuming median meteorological conditions for the remainder of the year. This classifies the year as "dry" in the Sacramento Valley according to the State Water Resources Control Board.

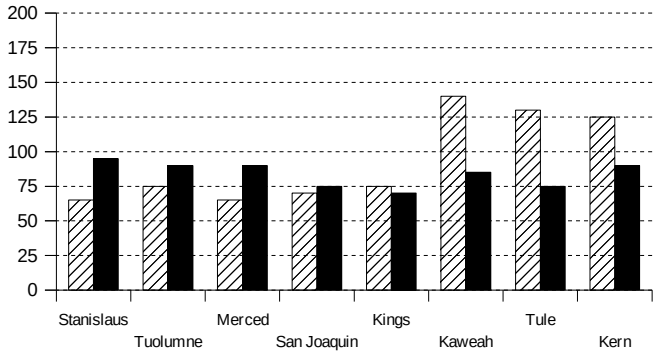
Snowpack Accumulation

Water Content in % of April 1 Average



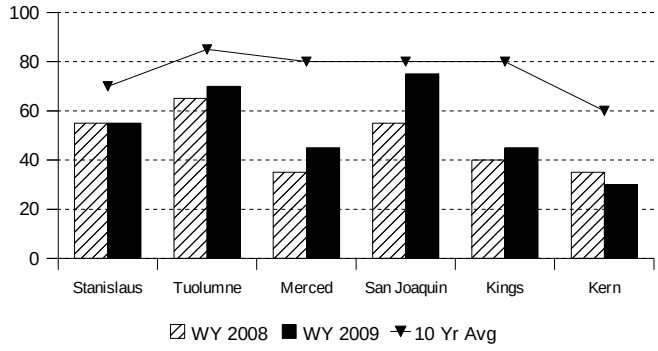
Precipitation

October 1 to date in % of Average



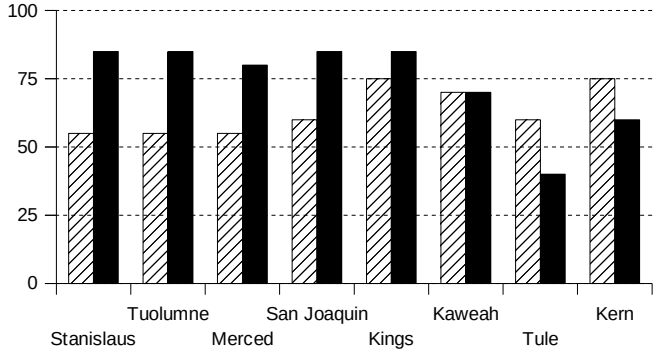
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SAN JOAQUIN RIVER AND TULARE LAKE REGIONS

SNOWPACK- First of the month measurements made at 58 **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 21.1 inches. This is 55 percent of the seasonal (April 1) average and 70 percent of the May 1 average. Last year at this time the pack was holding 18.8 inches of water. At the same time 32 **Tulare Lake Region** snow courses indicated a basin-wide snow water equivalent of 12.7 inches which is 45 percent of the average for April 1 and 60 percent of May 1. Last year at this time the basin was holding 13.6 inches of water.

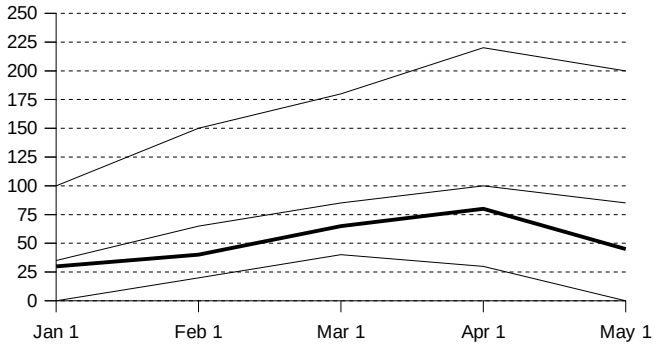
PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 85 percent of normal. Precipitation last month was about 50 percent of the monthly average. Seasonal precipitation at this time last year stood at 70 percent of normal. Seasonal precipitation on the **Tulare Lake Region** was 80 percent of normal. Precipitation last month was about 50 percent of the monthly average. Seasonal precipitation at this time last year stood at 80 percent of normal.

RESERVOIR STORAGE- First of the month storage in 34 **San Joaquin Region** reservoirs was 6.7 million acre-feet which is 85 percent of average. About 60 percent of available capacity was being used. Storage in these reservoirs at this time last year was 85 percent of average. First of the month storage in 6 **Tulare Lake Region** reservoirs was 911 thousand acre-feet which is 85 percent of average and about 45 percent of available capacity. Storage in these reservoirs at this time last year was 80 percent of average.

RUNOFF- Seasonal runoff of streams draining the **San Joaquin Region** totaled 2.8 million acre-feet which is 80 percent of average for this period. Last year, runoff for the same period was 55 percent of average. Seasonal runoff of streams draining the **Tulare Lake Basin** totaled 911 thousand acre-feet which is 70 percent of average for this period. Last year runoff for this same period was 70 percent of average. The **San Joaquin Region 60-20-20 Water Supply Index** is forecast to be 2.4 assuming 75 percent of median meteorological conditions. This classifies the year as "dry" in the San Joaquin River Region according to the State Water Resources Control Board.

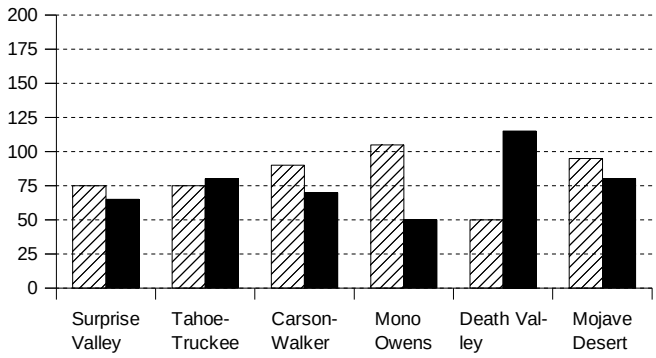
Snowpack Accumulation

Water Content in % of April 1 Average



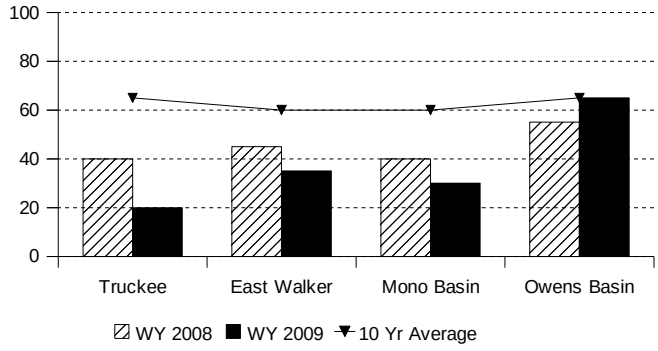
Precipitation

October 1 to date in % of Average



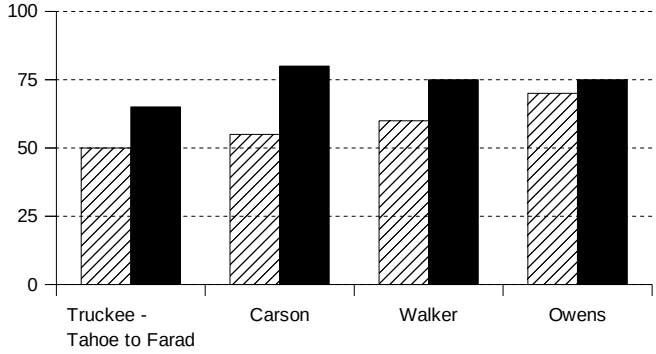
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



NORTH AND SOUTH LAHONTAN REGIONS

SNOWPACK- First of the month measurements made at 5 **North Lahontan Region** snow courses indicate an area wide snow water equivalent of 11.9 inches. This is 45 percent of the seasonal (April 1) average and 55 percent of the May 1 average. Last year at this time the pack was holding 12.7 inches of water. At the same time 2 **South Lahontan** snow courses indicated a basin-wide snow water equivalent of 5.2 inches which is 35 percent of the seasonal (April 1) average and 40 percent of the May 1 average. Last year at this time the basin was holding 4.5 inches of water.

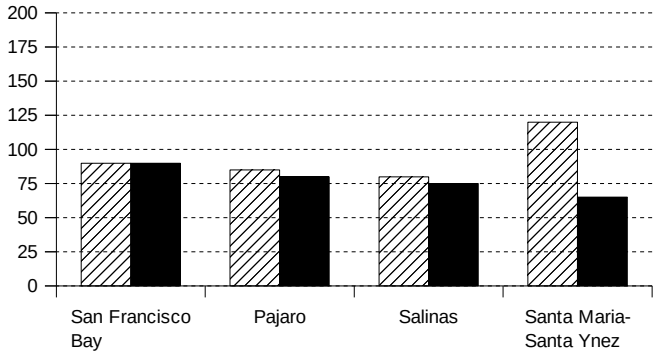
PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **North Lahontan Region** was 70 percent of normal. Precipitation last month was about 55 percent of the monthly average. Seasonal precipitation at this time last year stood at 80 percent of normal. Seasonal precipitation on the **South Lahontan** was 100 percent of normal. Precipitation last month was less than 5 percent of the monthly average. Seasonal precipitation at this time last year stood at 85 percent of normal.

RESERVOIR STORAGE- First of the month storage in 5 **North Lahontan** reservoirs was 243 thousand acre-feet which is 40 percent of average. About 25 percent of available capacity was being used. Storage in these reservoirs at this time last year was 75 percent of average. Lake Tahoe was .8 feet above its natural rim on May 1. First of the month storage in 8 **South Lahontan** reservoirs was 257 thousand acre-feet which is 100 percent of average and about 65 percent of available capacity. Storage in these reservoirs at this time last year was 90 percent of average.

RUNOFF- Seasonal runoff of streams draining the **North Lahontan Region** totaled 302 thousand acre-feet which is 70 percent of average for this period. Last year, runoff for the same period was 55 percent of average. Seasonal runoff of the Owens River in the **South Lahontan** totaled 60 thousand acre-feet which is 75 percent of average for this period. Last year runoff for this same period was 70 percent of average.

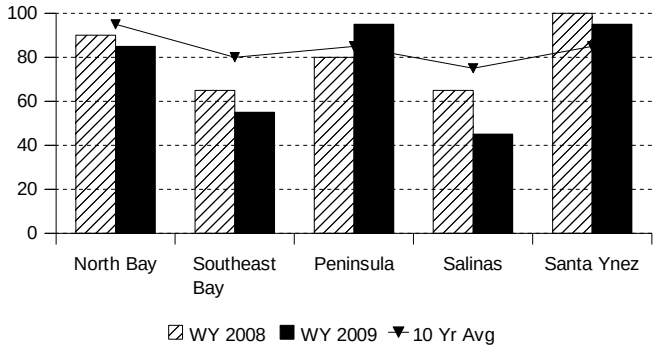
Precipitation

October 1 to date in % of Average



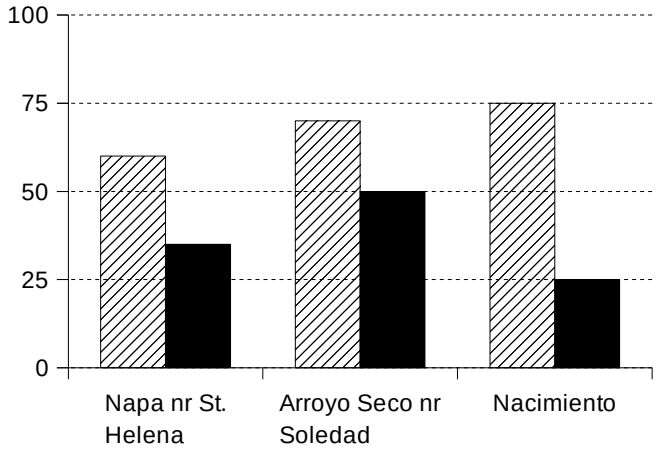
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SAN FRANCISCO BAY AND CENTRAL COAST REGIONS

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Francisco Bay Region** was 90 percent of normal. Precipitation last month was about 35 percent of the monthly average. Seasonal precipitation at this time last year stood at 90 percent of normal.

Seasonal precipitation on the **Central Coast Region** was 75 percent of normal. Precipitation last month was about 20 percent of the monthly average. Seasonal precipitation at this time last year stood at 95 percent of normal.

RESERVOIR STORAGE- First of the month storage in 14 **San Francisco Bay Region** reservoirs was 366 thousand acre-feet which is 90 percent of average. About 65 percent of available capacity was being used. Storage in these reservoirs at this time last year was 95 percent of average.

First of the month storage in 6 **Central Coast Region** reservoirs was 527 thousand acre-feet which is 75 percent of average and about 55 percent of available capacity. Storage in these reservoirs at this time last year was 100 percent of average.

RUNOFF- Seasonal runoff of the Napa River in the **San Francisco Bay Region** totaled 25 thousand acre-feet which is 35 percent of average for this period. Last year, runoff for the same period was 60 percent of average.

Seasonal runoff of streams draining the **Central Coast Region** totaled 114 thousand acre-feet which is 35 percent of average for this period. Last year runoff for this same period was 75 percent of average.

SOUTH COAST AND COLORADO RIVER REGIONS

PRECIPITATION - October through April (seasonal) precipitation on the **South Coast Region** was 65 percent of normal. April precipitation was 10 percent of the monthly average. Seasonal precipitation at this time last year was 80 percent of normal. Seasonal precipitation on the **Colorado River-Desert Region** was 80 percent of normal. Precipitation during April was 0 percent of average. Seasonal precipitation at this time last year stood at 85 percent of average.

RESERVOIR STORAGE - May 1 storage in 29 major **South Coast Region** reservoirs was 1.3 million acre-feet or 85 percent of average. About 65 percent of available capacity was being used. Storage in these reservoirs at this time last year was 95 percent of average.
On May 1 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 26.8 million acre-feet or about 66 percent of average. About 50 percent of available capacity was in use. Last year at this time, these reservoirs were storing 64 percent of average.

RUNOFF - Seasonal runoff from selected **South Coast Region** streams totaled 19 thousand acre-feet which is 40 percent of average. Seasonal runoff from these streams last year was 75 percent of average.

COLORADO RIVER

The April July inflow to Lake Powell is forecast to be 7.3 million acre-feet, which is 92 percent of average. The May 1 snowpack in the Colorado River basin above Lake Powell was 75 percent of average, highest in the Upper Green at 95 percent and lowest in the Escalante at less than 5 percent.

STATE WATER PROJECT

On April 30, total storage in the major SWP reservoirs was about 3.20 MAF, compared with about 3.14 MAF at this time in 2008. End of month storage at Lake Oroville was about 2.06 MAF as compared to 1.71 MAF last year. The State's share of San Luis Reservoir storage was about 592 TAF, as compared to 841 TAF at this time last year. The combined storage in our southern reservoirs was about 556 TAF, compared with about 594 TAF at this time last year.

SWP water deliveries through April 2009 are estimated to be about 194 TAF, which is about 5 TAF more than the same period in 2008. This is a combination of project, transfer and exchange waters.

Due to the current water supply conditions in the Sacramento Valley in April, the Department's SWP allocation remained at 30% (about 1.25 MAF).

MAJOR WATER DISTRIBUTION PROJECTS

RESERVOIR STORAGE

(AVERAGES BASED ON 1951-2000 OR PERIOD RECORD)

RESERVOIR	CAPACITY 1,000 AF	AVERAGE STORAGE 1,000 AF	STORAGE AT END OF April 2008 1,000 AF	2009 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
STATE WATER PROJECT						
Lake Oroville	3,538	2,939	1,707	2,055	70%	58%
San Luis Reservoir (SWP)	1,062	979	841	592	61%	56%
Lake Del Valle	77	39	41	39	100%	50%
Lake Silverwood	73	69	72	72	104%	98%
Pyramid Lake	171	163	163	168	103%	98%
Castaic Lake	325	287	289	255	89%	78%
Perris Lake	132	118	71	62	52%	47%
CENTRAL VALLEY PROJECT						
Trinity Lake	2,448	2,049	1,670	1,262	62%	52%
Lake Shasta	4,552	3,974	2,954	2,998	75%	66%
Whiskeytown Lake	241	232	238	238	103%	99%
Folsom Lake	977	730	537	780	107%	80%
New Melones Reservoir	2,420	1,482	1,410	1,270	86%	52%
Millerton Lake	520	365	257	486	133%	93%
San Luis Reservoir (CVP)	971	882	623	367	42%	38%
COLORADO RIVER PROJECT						
Lake Mead	26,159	20,061	12,463	11,604	58%	44%
Lake Powell	24,322	18,335	11,195	12,858	70%	53%
Lake Mohave	1,810	1,671	1,650	1,702	102%	94%
Lake Havasu	619	587	566	594	101%	96%
EAST BAY MUNICIPAL UTILITY DISTRICT						
Pardee Res	198	182	174	178	98%	90%
Camanche Reservoir	417	266	200	230	86%	55%
East Bay (4 res.)	147	136	117	126	93%	86%
CITY AND COUNTY OF SAN FRANCISCO						
Hetch-Hetchy Reservoir	360	166	165	286	172%	79%
Cherry Lake	268	152	177	244	161%	91%
Lake Eleanor	26	15	26	25	163%	95%
South Bay/Peninsula (4 res.)	225	180	157	165	92%	73%
CITY OF LOS ANGELES (D.W.P.)						
Lake Crowley	183	125	133	124	100%	68%
Grant Lake	48	26	22	14	53%	29%
Other Aqueduct Storage (6 res.)	95	75	48	58	77%	61%

TELEMETERED SNOW WATER EQUIVALENTS

May 1, 2009

(AVERAGES BASED ON PERIOD RECORD)

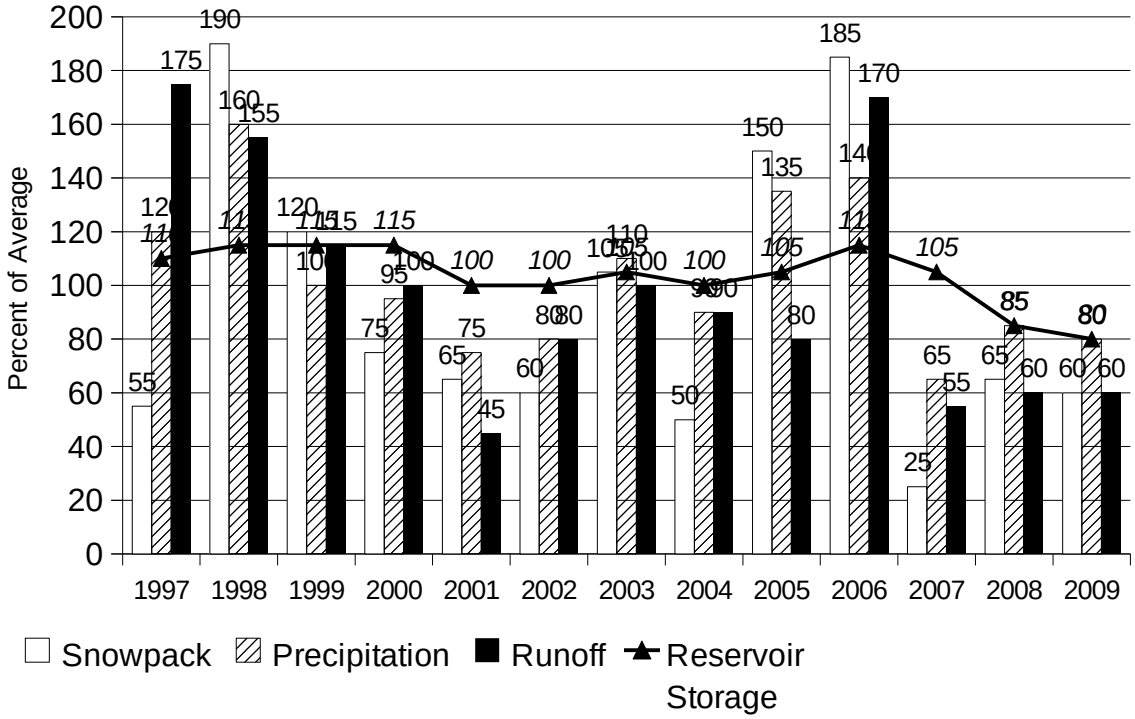
BASIN NAME / STATION NAME	ELEV	APRIL 1 AVERAGE	INCHES OF WATER EQUIVALENT May 1	PERCENT OF AVERAGE	24 HRS PREVIOUS	1 WEEK PREVIOUS
TRINITY RIVER						
Peterson Flat	7150’	29.2	8.4	28.8	8.6	10.9
Red Rock Mountain	6700’	39.6	29.1	73.4	29.5	33.1
Bonanza King	6450’	40.5	14.6	36.1	15.4	20.0
Shimmy Lake	6400’	40.3	21.5	53.3	21.9	24.1
Middle Boulder 3	6200’	28.3	6.3	22.2	5.9	7.9
Highland Lakes	6030’	29.9	11.4	38.1	11.9	14.5
Scott Mountain	5900’	16.0	3.9	24.1	4.5	7.3
Mumbo Basin	5650’	22.4	0.0	0.0	0.0	0.0
Big Flat	5100’	15.8	0.4	2.2	0.6	4.4
Crowder Flat	5100’	—	0.0	—	0.0	0.0
SACRAMENTO RIVER						
Cedar Pass	7100’	18.1	9.1	50.3	9.0	10.1
Blacks Mountain	7050’	12.7	0.8	6.5	1.2	3.2
Sand Flat	6750’	42.4	16.2	38.2	16.3	18.1
Medicine Lake	6700’	32.6	24.2	74.4	23.9	25.3
Adin Mountain	6200’	13.6	1.6	11.8	2.0	2.4
Snow Mountain	5950’	27.0	18.4	68.0	18.8	21.2
Slate Creek	5700’	29.0	11.5	39.8	12.7	14.1
Stouts Meadow	5400’	36.0	27.7	76.8	27.8	29.2
FEATHER RIVER						
Lower Lassen Peak	8250’	—	—	—	—	—
Kettle Rock	7300’	25.5	12.9	50.7	13.3	13.8
Grizzly Ridge	6900’	29.7	12.4	41.6	13.0	14.2
Pilot Peak	6800’	52.6	19.0	36.2	19.7	22.0
Gold Lake	6750’	36.5	33.1	90.6	33.6	34.8
Humbug	6500’	28.0	19.2	68.6	19.9	21.8
Harkness Flat	6200’	28.5	0.8	2.7	1.3	5.0
Rattlesnake	6100’	14.0	0.1	0.9	0.0	0.5
Bucks Lake	5750’	44.7	—	—	—	—
Four Trees	5150’	20.0	0.2	1.2	0.0	1.0
EEL RIVER						
Noel Spring	5100’	—	0.0	—	0.0	0.0
YUBA & AMERICAN RIVERS						
Lake Lois	8600’	39.5	—	—	—	—
Schneiders	8750’	34.5	37.7	109.2	38.1	38.7
Carson Pass	8353’	—	24.2	—	24.8	25.6
Caples Lake	8000’	30.9	2.7	8.6	2.8	3.5
Alpha	7600’	35.9	15.7	43.7	16.1	18.4
Meadow Lake	7200’	55.5	43.4	78.3	44.4	44.4
Silver Lake	7100’	22.7	9.4	41.4	9.8	12.9
Central Sierra Snow Lab	6900’	33.6	17.5	52.1	18.5	20.9
Huysink	6600’	42.6	23.1	54.3	23.4	24.2
Van Vleck	6700’	35.9	20.6	57.4	21.1	22.9
Robinson Cow Camp	6480’	—	—	—	—	—
Robbs Saddle	5900’	21.4	6.2	29.2	6.7	9.8
Greek Store	5600’	21.0	9.1	43.4	9.6	12.2
Blue Canyon	5280’	9.0	1.9	21.6	1.9	2.0
Robbs Powerhouse	5150’	5.2	0.0	0.0	0.0	0.0
MOKELUMNE & STANISLAUS RIVERS						
Deadman Creek	9250’	37.2	—	—	—	—
Highland Meadow	8700’	47.9	—	—	—	—
Gianelli Meadow	8400’	55.5	35.3	63.6	35.6	36.5
Lower Relief Valley	8100’	41.2	27.8	67.5	28.2	29.3
Blue Lakes	8000’	33.1	22.4	67.7	22.6	22.5
Mud Lake	7900’	44.9	40.0	89.1	40.8	41.5
Stanislaus Meadow	7750’	47.5	32.4	68.3	33.5	35.3
Bloods Creek	7200’	35.5	13.9	39.2	14.8	17.4
Black Springs	6500’	32.0	19.3	60.3	19.8	21.3
TUOLUMNE & MERCED RIVERS						
Tioga Pass Entrance	9945’	—	—	—	—	—
Dana Meadows	9800’	27.7	21.2	76.5	25.1	16.5
Slide Canyon	9200’	41.1	30.1	73.1	30.4	30.4
Lake Tenaya	8150’	33.1	18.5	56.0	19.9	22.1
Tuolumne Meadows	8600’	22.6	—	—	—	—
Horse Meadow	8400’	48.6	41.7	85.8	42.1	42.3
Ostrander Lake	8200’	34.8	—	—	—	—
White Wolf	7900’	—	13.4	—	14.8	16.9
Paradise Meadow	7650’	41.3	—	—	—	—
Gin Flat	7050’	34.2	12.4	36.4	13.4	16.5
Lower Kibbie Ridge	6700’	27.4	1.0	3.5	1.0	2.7

SAN JOAQUIN RIVER						
Volcanic Knob	10050’	30.1	—	—	—	—
Agnew Pass	9450’	32.3	—	—	—	22.3
Kaiser Point	9200’	37.8	—	—	—	—
Green Mountain	7900’	30.8	4.7	15.2	5.9	9.2
Tamarack Summit	7550’	30.5	2.4	7.8	3.8	9.1
Chilkoot Meadow	7150’	38.0	20.4	53.7	21.6	25.3
Huntington Lake	7000’	20.1	4.7	23.3	5.9	10.0
Graveyard Meadow	6900’	18.8	0.5	2.6	1.0	4.7
Poison Ridge	6900’	28.9	—	—	—	10.0
KINGS RIVER						
Charlotte Lake	10400’	27.5	21.0	76.2	22.0	23.5
State Lakes	10300’	29.0	20.9	72.1	21.4	23.8
Mitchell Meadow	9900’	32.9	27.2	82.7	27.7	29.4
Blackcap Basin	10300’	34.3	27.6	80.5	28.0	29.0
Upper Burnt Corral	9700’	34.6	22.6	65.4	23.1	24.0
West Woodchuck Meadow	9100’	32.8	5.8	17.7	7.6	11.9
Big Meadows	7600’	25.9	2.0	7.9	4.1	9.7
KAWEAH & TULE RIVERS						
Farewell Gap	9500’	34.5	21.4	62.2	22.9	26.1
Quaking Aspen	7200’	21.0	0.0	0.0	0.0	5.5
Giant Forest	6650’	10.0	0.0	0.0	0.0	—
KERN RIVER						
Upper Tyndall Creek	11400’	27.7	—	—	—	—
Chagoopa Plateau	10300’	21.8	—	—	—	—
Pascoes	9150’	24.9	16.5	66.3	17.4	21.7
Tunnel Guard Station	8900’	15.6	—	—	—	—
Wet Meadows	8950’	30.3	0.2	0.7	1.1	8.1
Casa Vieja Meadows	8300’	20.9	2.4	11.4	3.9	7.9
Beach Meadows	7650’	11.0	—	—	—	—
SURPRISE VALLEY AREA						
Dismal Swamp	7050’	29.2	25.0	85.6	25.0	24.6
TRUCKEE RIVER						
Independence Lake	8450’	41.4	38.5	93.0	38.6	38.8
Big Meadows	8700’	25.7	10.7	41.6	12.1	12.3
Squaw Valley	8200’	46.5	37.1	79.8	36.5	38.1
Independence Camp	7000’	21.8	0.0	0.0	0.2	1.7
Independence Creek	6500’	12.7	0.0	0.0	0.0	0.6
Truckee 2	6400’	14.3	0.0	0.0	0.0	1.1
LAKE TAHOE BASIN						
Mount Rose Ski Area	8900’	38.5	28.8	74.8	29.0	29.5
Heavenly Valley	8800’	28.1	10.4	37.0	11.1	12.7
Hagans Meadow	8000’	16.5	0.0	0.0	0.0	0.5
Marlette Lake	8000’	21.1	6.8	32.2	7.4	8.1
Echo Peak 5	7800’	39.5	17.4	44.1	18.6	21.0
Rubicon Peak 2	7500’	29.1	16.0	55.0	16.4	16.6
Tahoe City Cross	6750’	16.0	0.0	0.0	0.0	0.0
Ward Creek 3	6750’	39.4	18.8	47.7	20.5	22.4
Fallen Leaf Lake	6250’	7.0	0.0	0.0	0.0	0.0
CARSON RIVER						
Ebbetts Pass	8700’	38.8	28.6	73.7	29.2	28.5
Horse Meadow	8557’	—	9.9	—	10.6	11.3
Burnside Lake	8129’	—	12.8	—	13.8	14.5
Forestdale Creek	8017’	—	27.2	—	27.2	28.4
Poison Flat	7900’	16.2	0.1	0.6	0.5	3.1
Monitor Pass	8350’	—	3.4	—	4.5	6.1
Spratt Creek	6150’	4.5	0.0	0.0	0.0	0.0
WALKER RIVER						
Leavitt Lake	9600’	—	57.9	—	58.1	59.0
Summit Meadow	9313’	—	11.9	—	12.7	13.3
Virginia Lakes	9300’	20.3	12.0	59.1	12.4	12.6
Lobdell Lake	9200’	17.3	3.6	20.8	4.8	6.1
Sonora Pass Bridge	8750’	26.0	16.0	61.5	16.9	17.2
Leavitt Meadows	7200’	8.0	0.0	0.0	0.0	0.0
OWENS RIVER/MONO LAKE						
Gem Pass	10750’	31.7	30.1	95.0	30.1	28.9
Sawmill	10200’	19.4	3.7	18.9	4.5	9.9
Cottonwood Lakes	10150’	11.6	0.4	3.8	0.2	3.3
Big Pine Creek	9800’	17.9	6.1	33.9	7.3	9.1
South Lake	9600’	16.0	4.3	27.0	6.1	8.0
Mammoth Pass	9300’	42.4	29.6	69.9	30.2	31.1
Rock Creek Lakes	9700’	14.0	0.0	0.0	0.0	0.0

NORMAL SNOWPACK ACCUMULATION EXPRESSED AS A PERCENT OF APRIL 1ST AVERAGE

AREA	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Central Valley North	45%	70%	90%	100%	75%
Central Valley South	45%	65%	85%	100%	80%
North Coast	40%	60%	85%	100%	80%

May 1 Statewide Conditions



SNOWLINES

Next years Western Snow Conference will meet in Logan, UT in conjunction with the Utah State Spring Runoff Conference. The theme of the meeting will be "Water Resource Management in a Changing Environment". The dates are April 19-22, 2010 and the meeting is organized by the South Continental Region. As always further information is available at http://www.westernsnowconference.org or by contacting Frank Gehrke at 916-574-2635.

Depicted on this month's is Dr. James E. Church's weather station on the top of Mt. Rose. The picture was taken in 1907.